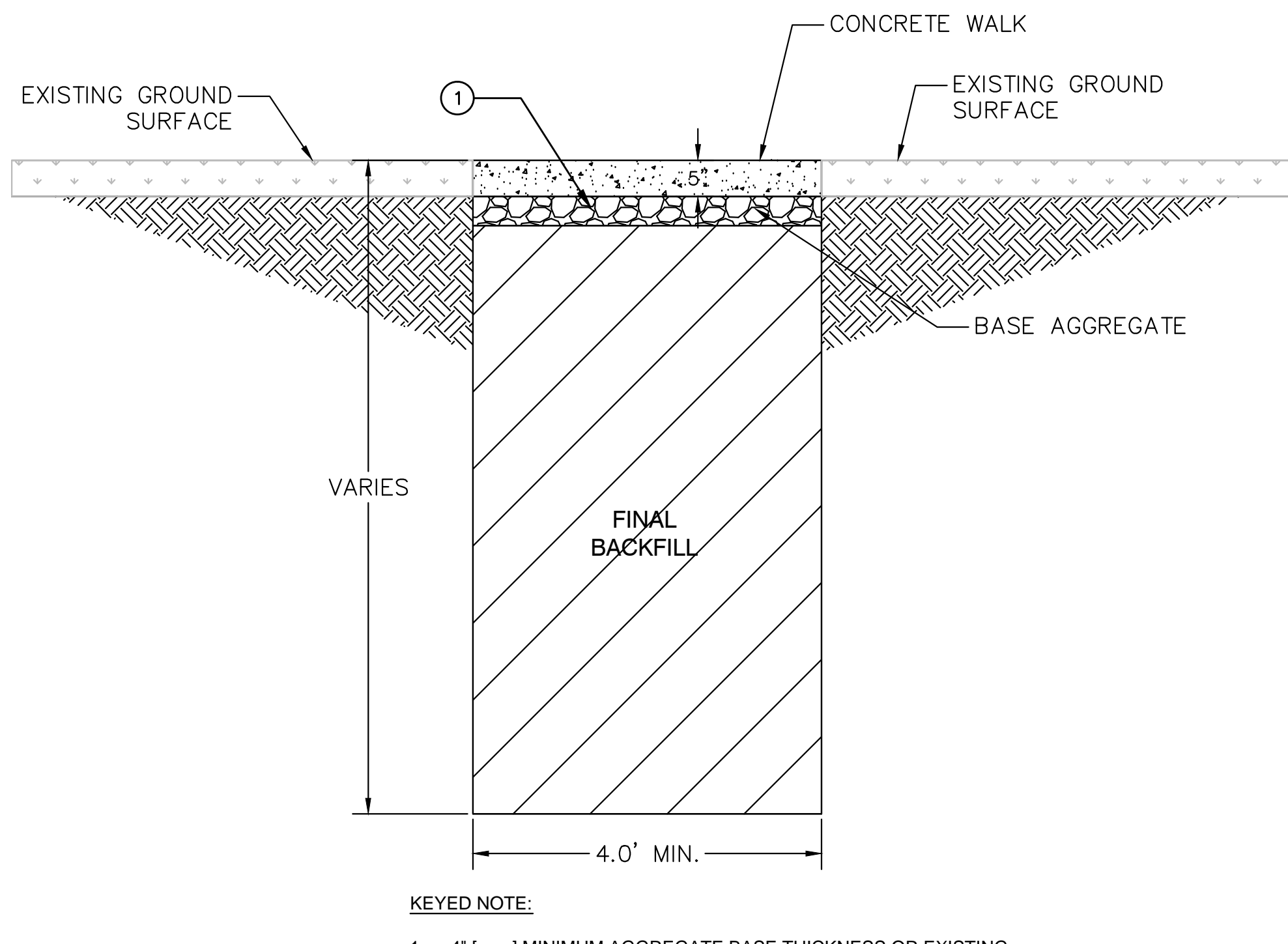
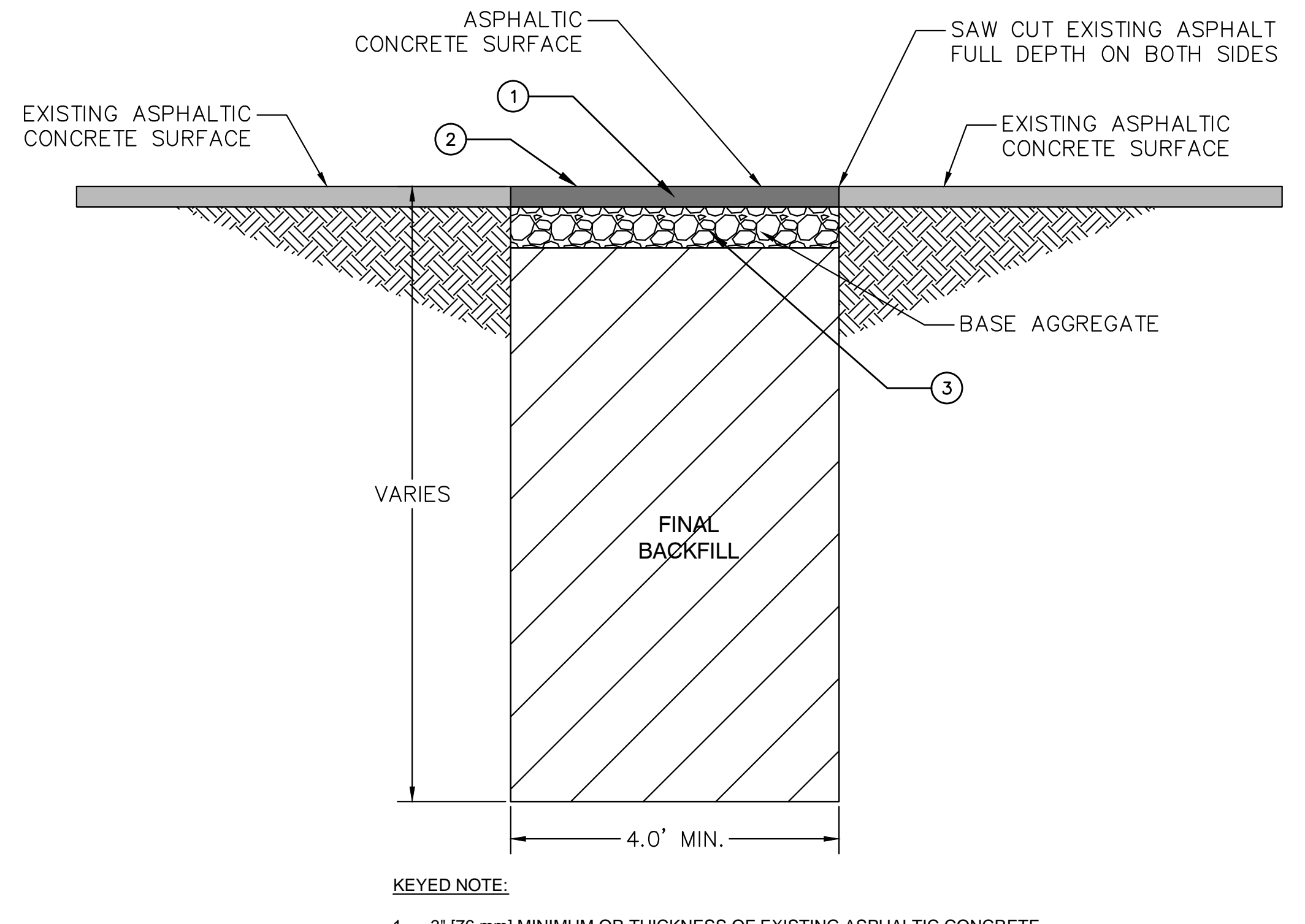


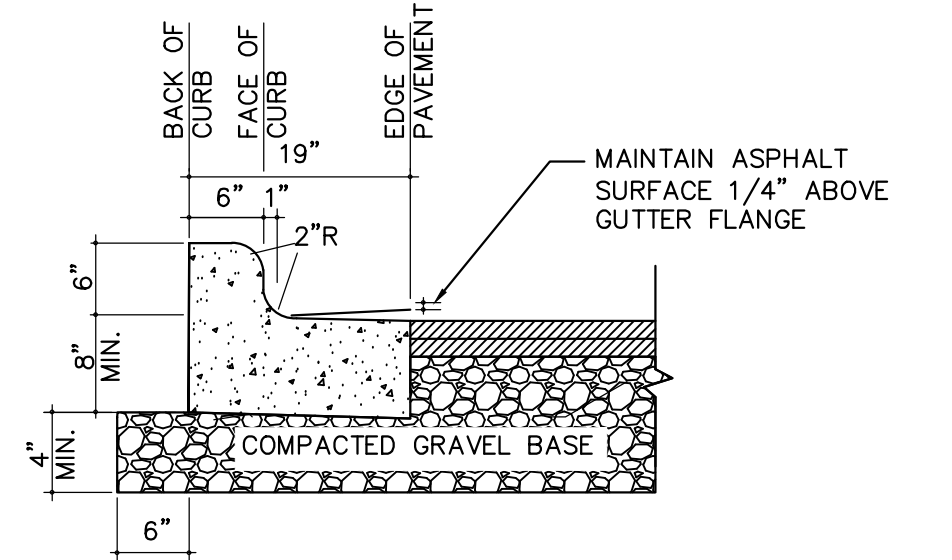
H TRENCH RESTORATION DETAIL - LANDSCAPED AREA
NOT TO SCALE



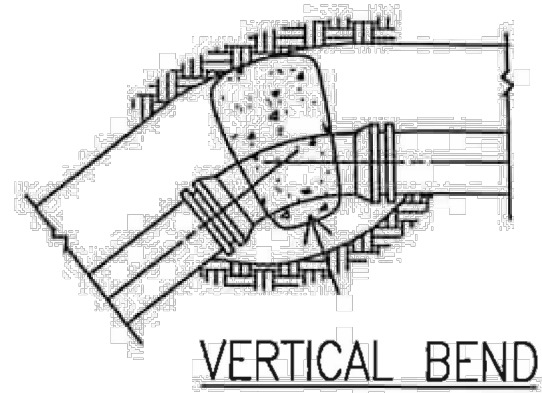
I TRENCH RESTORATION DETAIL - CONCRETE WALK
NOT TO SCALE



J TRENCH RESTORATION DETAIL - ASPHALTIC CONCRETE PAVEMENT
NOT TO SCALE

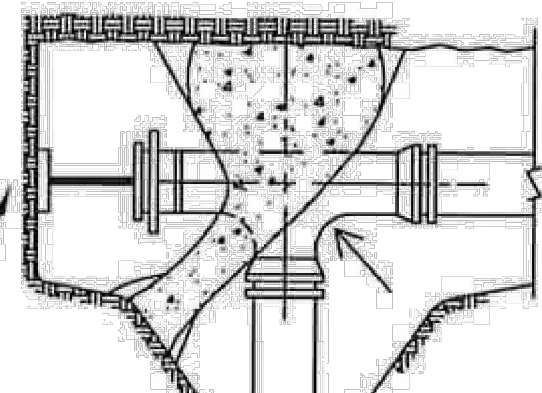


N 19" CURB & GUTTER SECTION
NOT TO SCALE
SLOPE PAN AWAY FROM GUTTER AT 3/4 PER FOOT FOR REJECT CURB.
SLOPE PAN TOWARD CURB AND GUTTER AT 3/4 PER FOOT FOR ACCEPT CURB.

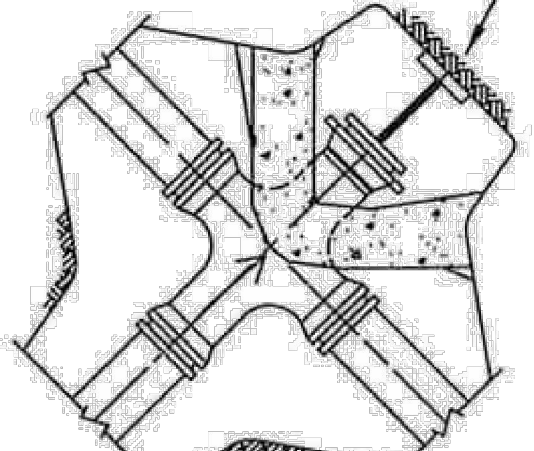


VERTICAL BEND

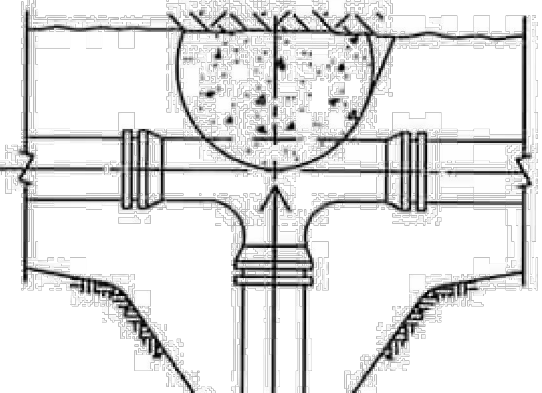
BRACE PLUG AGAINST UNDISTURBED EARTH



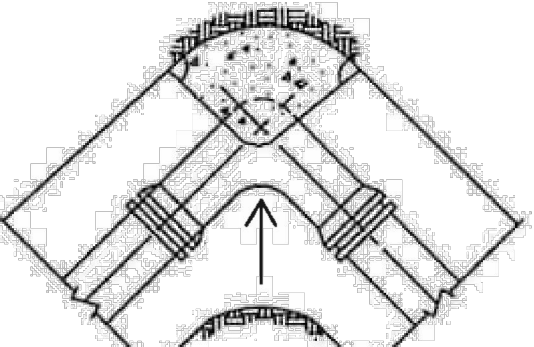
PLUGGED TEE



PLUGGED CROSS



TEE



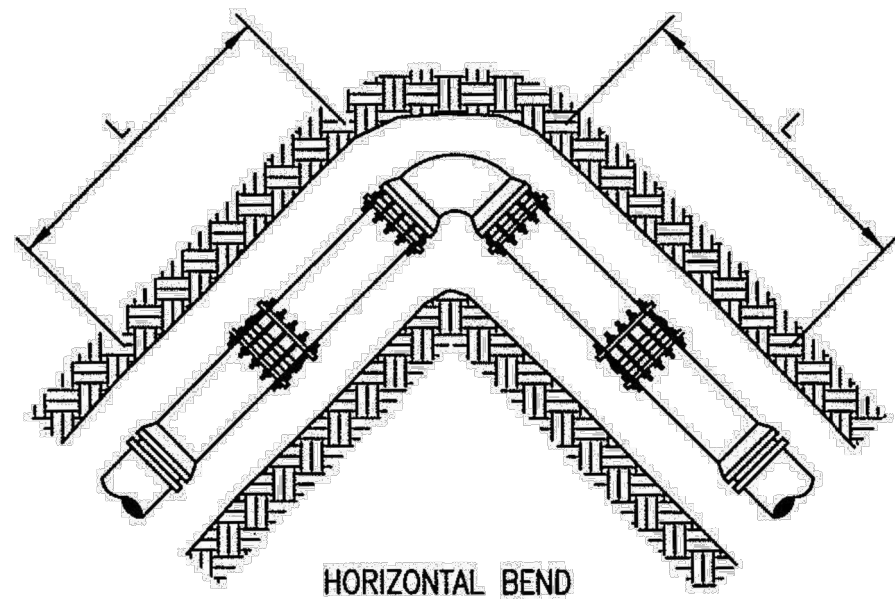
90° ELBOW

NOTE: ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH.
ARROWS INDICATE DIRECTION OF THRUST.
ALL BLOCKS TO BE 3000 P.S.I. CONCRETE.
ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

TYPICAL THRUST BLOCK INSTALLATIONS

STANDARD DRAWING NO.12

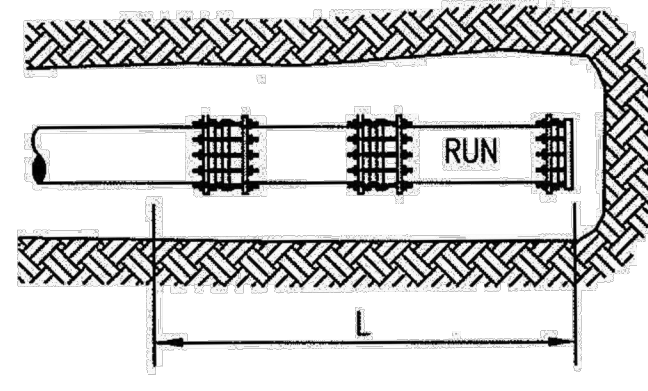
K TYPICAL TRUST BLOCK INSTALLATIONS
NOT TO SCALE



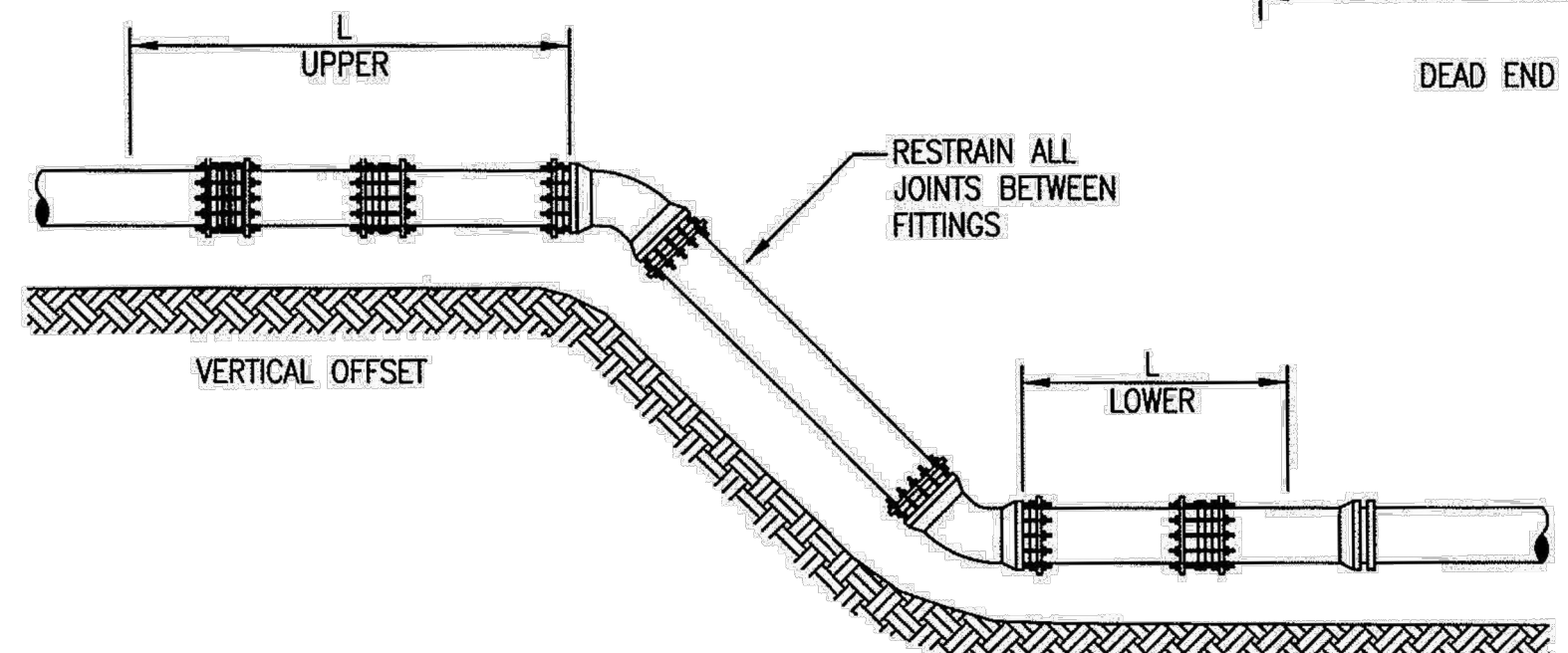
HORIZONTAL BEND

ALL JOINTS WITHIN LENGTH "L" OF FITTING MUST BE RESTRAINED

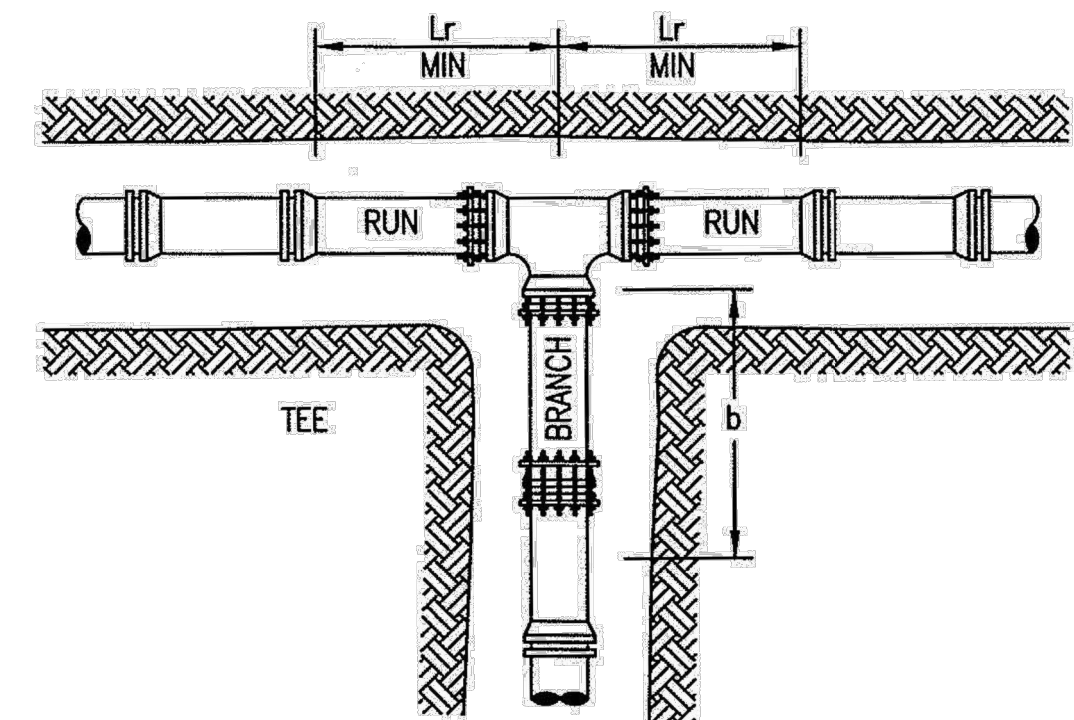
NOTE: CONTRACTOR TO PROVIDE "L", L₁, AND L₂ CALCULATIONS TO VA RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.



DEAD END



VERTICAL OFFSET

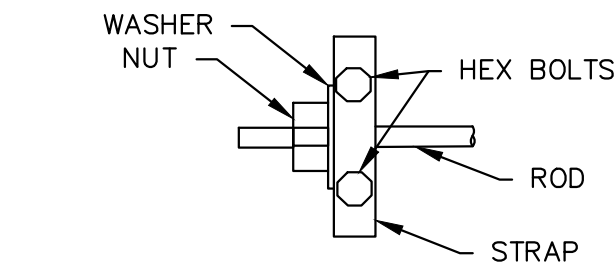
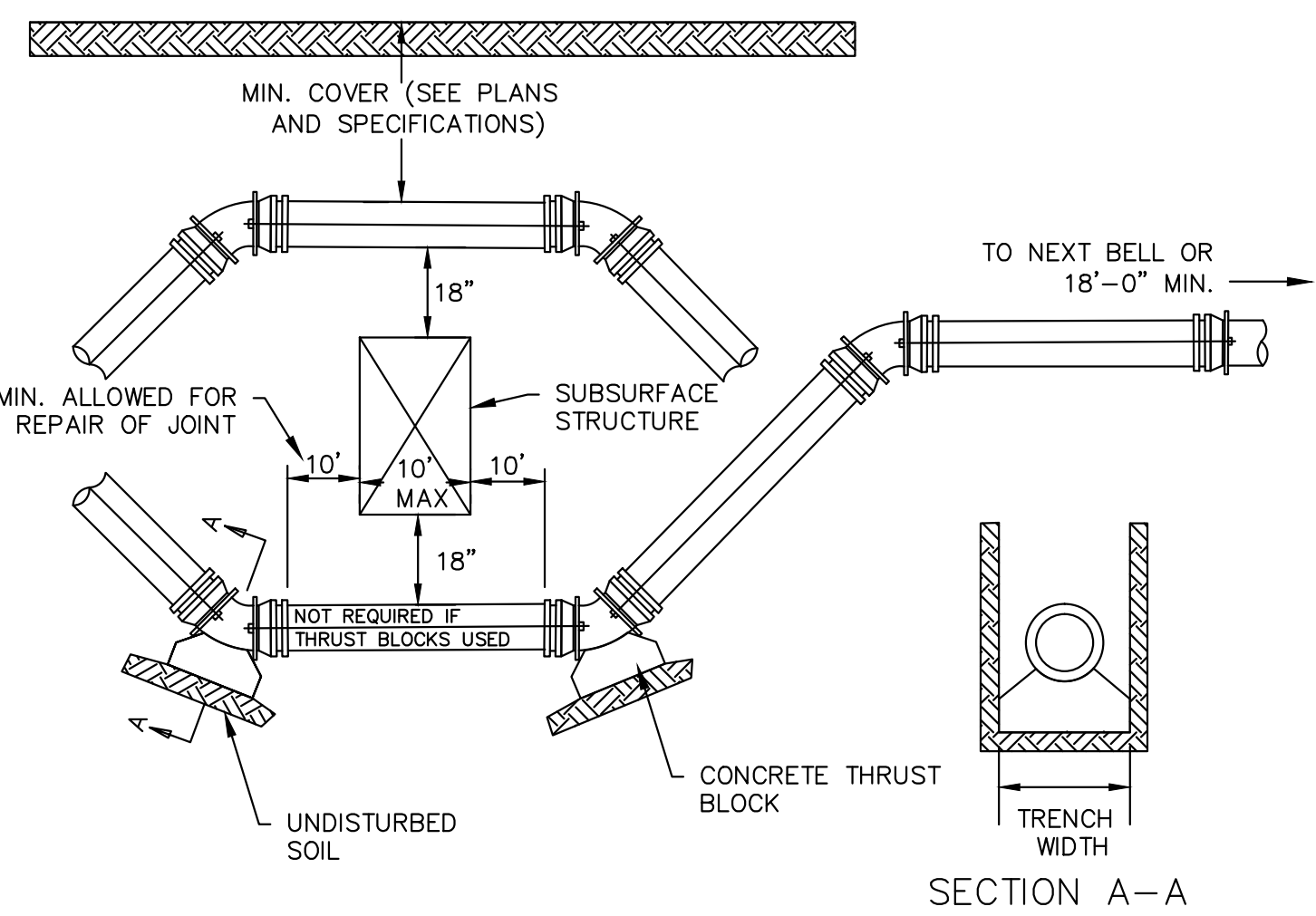


TEE

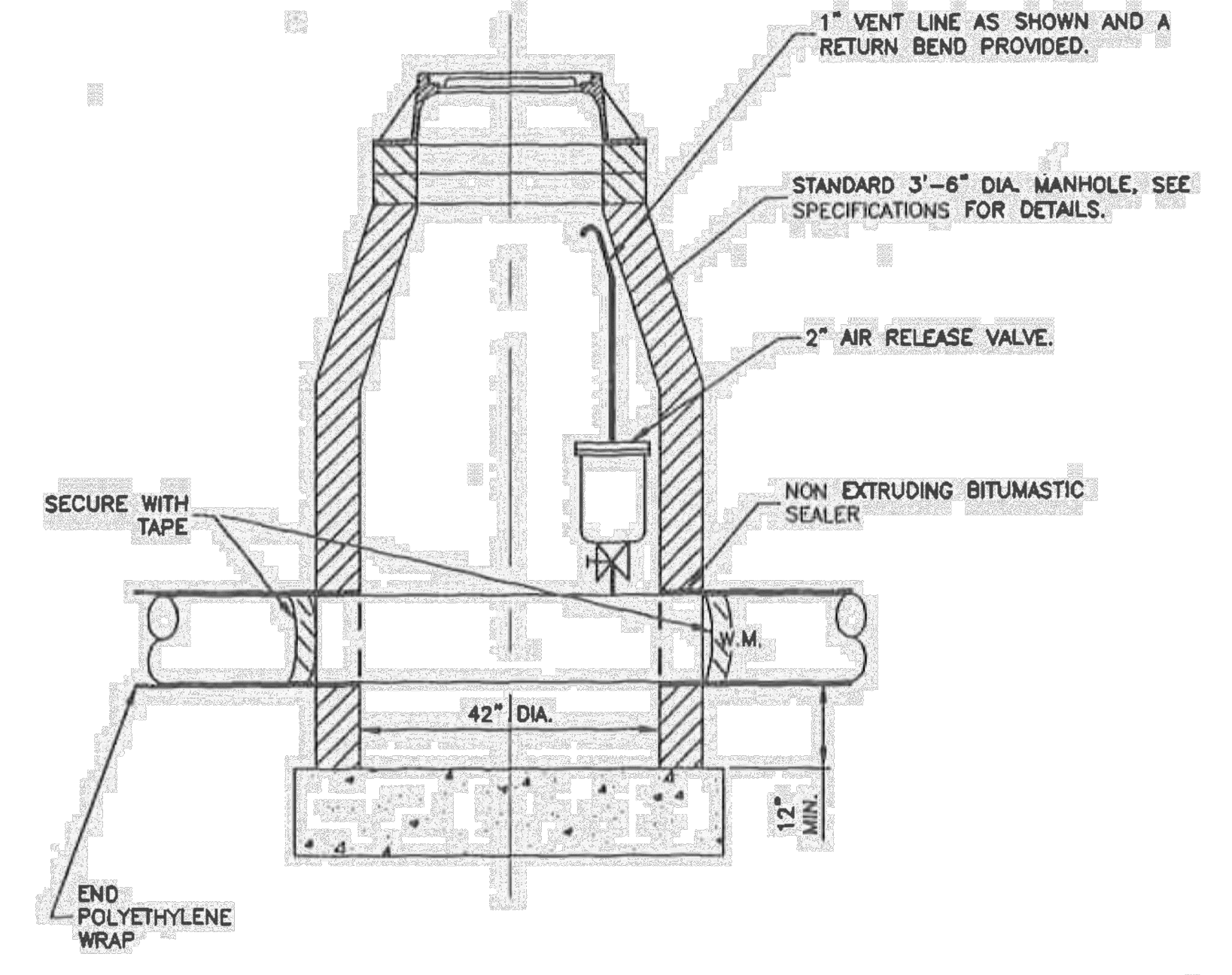
BRANCH

RETAINING GLAND RESTRAINT

L RETAINING GLAND RESTRAINT
NOT TO SCALE



M STRAPPING WATER MAIN 6" THRU 16"
NOT TO SCALE



NOTE: WATER MAIN PIPE SHALL BE SUPPORTED WITH MECHANICAL CONNECTIONS UNDERNEATH AIR RELEASE VALVE LOCATION.

O AIR RELEASE VALVE DETAIL
NOT TO SCALE

Revisions	Date

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PHASE 2 - CONSTRUCTION DOCUMENTS: MAY 22, 2012

Drawing Title
PHASE 2 WATER MAIN DETAILS

Approved: Division Chief

Approved: Service Director

Project Title
**VA MEDICAL CENTER
REPLACE EXISTING
WATER MAINS PROJECT**

Building Number

Checked
JBL

Drawn
TPM

Location
HINES, ILLINOIS

Date
MAY 22, 2012

Project No.
VA#69PD-RA-1465
HGA#2606-008-00

DRAWING NO.
CU401
Dwg. ___ Of ___

Office of
Facilities
Management

Department of
Veterans Affairs